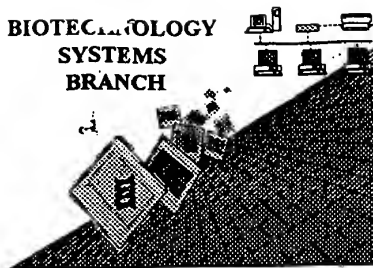


RAW SEQUENCE LISTING ERROR REPORT

BIOTECHNOLOGY
SYSTEMS
BRANCH



TECH CENTER 1600/2900

AUG 16 2001

RECEIVED

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/435,471

Source: 1632

Date Processed by STIC: 7/18/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
- 2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

1632

RAW SEQUENCE LISTING

DATE: 07/18/2001

PATENT APPLICATION: US/09/435,471

TIME: 13:16:22

Input Set : A:\Usf12001.app

Output Set: N:\CRF3\07182001\I435471.raw

Does Not Comply
Corrected Diskette Needed

3 <110> APPLICANT: Cooper, Denise R.
 4 Patel, Niketa A.
 6 <120> TITLE OF INVENTION: Introduction of a Glucose-Regulated Instability Element
 7 Via Alternative Exon Inclusion of PKCBII mRNA in
 8 Vascular Smooth Muscle Cells
 10 <130> FILE REFERENCE: 114205.1200
 12 <140> CURRENT APPLICATION NUMBER: 09/435,471
 13 <141> CURRENT FILING DATE: 1999-11-08
 15 <160> NUMBER OF SEQ ID NOS: 14
 17 <170> SOFTWARE: PatentIn Ver. 2.1
 19 <210> SEQ ID NO: 1
 20 <211> LENGTH: 7
 21 <212> TYPE: PRT
 22 <213> ORGANISM: Homo sapiens
 24 <220> FEATURE:
 25 <221> NAME/KEY: PEPTIDE
 26 <222> LOCATION: (2)..(6)
 27 <223> OTHER INFORMATION: Xaa at amino acid residues 2-6 is any amino acid
 28 residue
 30 <400> SEQUENCE: 1
 31 Cys Xaa Xaa Xaa Xaa Xaa Arg
 32 1 5
 35 <210> SEQ ID NO: 2
 36 <211> LENGTH: 11
 37 <212> TYPE: PRT
 38 <213> ORGANISM: Homo sapiens
 40 <220> FEATURE:
 41 <221> NAME/KEY: PEPTIDE
 42 <222> LOCATION: (1)..(10)
 43 <223> OTHER INFORMATION: Xaa at amino acid residue 1 is Ile or Val, Xaa at
 44 amino acid residue 10 is Ser or Thr, Xaa at amino
 45 acid residues 4 and 7 is any amino acid residue
 47 <400> SEQUENCE: 2
 48 Xaa His Cys Xaa Ala Gly Xaa Gly Arg Xaa Gly
 49 1 5 10
 52 <210> SEQ ID NO: 3
 53 <211> LENGTH: 9
 54 <212> TYPE: PRT
 55 <213> ORGANISM: Homo sapiens
 57 <220> FEATURE:
 58 <221> NAME/KEY: PEPTIDE
 59 <222> LOCATION: (2)..(7) *what about Xaa at location 9?*
 60 <223> OTHER INFORMATION: Xaa at residue positions 3-4 and 6-7 is any amino
 61 acid residue
 63 <400> SEQUENCE: 3
 64 His Cys Xaa Xaa Gly Xaa Xaa Arg Xaa *what about this Xaa?*
 65 1 5

RAW SEQUENCE LISTING

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Input Set : A:\Usf12001.app

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68 <210> SEQ ID NO: 4
69 <211> LENGTH: 33
70 <212> TYPE: DNA
71 <213> ORGANISM: Artificial Sequence
73 <220> FEATURE:
74 <223> OTHER INFORMATION: Description of Artificial Sequence:
75     oligonucleotide primer
77 <400> SEQUENCE: 4
78 cgtatatgcg gccgcgttgt gggcctgaag ggg           33
81 <210> SEQ ID NO: 5
82 <211> LENGTH: 33
83 <212> TYPE: DNA
84 <213> ORGANISM: Artificial Sequence
86 <220> FEATURE:
87 <223> OTHER INFORMATION: Description of Artificial Sequence:
88     oligonucleotide primer
90 <400> SEQUENCE: 5
91 gcattctagt cgacaagagt ttgtcagtgg gag           33
94 <210> SEQ ID NO: 6
95 <211> LENGTH: 22
96 <212> TYPE: DNA
97 <213> ORGANISM: Artificial Sequence
99 <220> FEATURE:
100 <223> OTHER INFORMATION: Description of Artificial Sequence:
101     oligonucleotide primer
103 <400> SEQUENCE: 6
104 gcattcthtc cagtgaggag aa           22
107 <210> SEQ ID NO: 7
108 <211> LENGTH: 21
109 <212> TYPE: DNA
110 <213> ORGANISM: Artificial Sequence
112 <220> FEATURE:
113 <223> OTHER INFORMATION: Description of Artificial Sequence:
114     oligonucleotide primer
116 <400> SEQUENCE: 7
117 aaccagcacg ttgcccagga g           21
120 <210> SEQ ID NO: 8
121 <211> LENGTH: 33
122 <212> TYPE: DNA
123 <213> ORGANISM: Artificial Sequence
125 <220> FEATURE:
126 <223> OTHER INFORMATION: Description of Artificial Sequence:
127     oligonucleotide primer
129 <400> SEQUENCE: 8
130 cgtatatgcg gccgcgttgt gggcctgaag ggg           33
133 <210> SEQ ID NO: 9
134 <211> LENGTH: 33
135 <212> TYPE: DNA
136 <213> ORGANISM: Artificial Sequence

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/435,471

DATE: 07/18/2001

TIME: 13:16:22

Input Set : A:\Usf12001.app

Output Set: N:\CRF3\07182001\I435471.raw

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138 <220> FEATURE:
139 <223> OTHER INFORMATION: Description of Artificial Sequence:
140     oligonucleotide primer
142 <400> SEQUENCE: 9
143 gcattctagt cgacaagagt ttgtcagtg gag 33
146 <210> SEQ ID NO: 10
147 <211> LENGTH: 351
148 <212> TYPE: DNA
149 <213> ORGANISM: Human PKC BetaII
151 <400> SEQUENCE: 10
152 ttttaaacca aaagcttttt gggcgaaacg ctgaaacttc gaccggtttt tcacccgccca 60
153 tccaccagtc ctaacacctc cgaccaggaa gtcatacagga atattgacca atcagaattc 120
154 gaaggatttc ctttggttaac tctgaatttt taaaaccgca agtcaagagc tagtagatct 180
155 gtagacctcc gtccttcatt tctgtcattc aagctcacag ctatcatgag agacaagcga 240
156 gacacctcca acttcgacaa aagttcacca ggcagcctgt ggaactgact cccactgaca 300
157 aactctgtcg actagaatgc cctgaattct gcagatatcc atcacactgc g 351
160 <210> SEQ ID NO: 11
161 <211> LENGTH: 39
162 <212> TYPE: DNA
163 <213> ORGANISM: Artificial Sequence
165 <220> FEATURE:
166 <223> OTHER INFORMATION: Description of Artificial Sequence: nucleic acid
167     construct
169 <220> FEATURE:
170 <223> OTHER INFORMATION: metabolite responsive instability element
172 <400> SEQUENCE: 11
173 taactctgaa tttttaaaac ccgaagtcaa gagctagta 39
176 <210> SEQ ID NO: 12
177 <211> LENGTH: 300
178 <212> TYPE: RNA
179 <213> ORGANISM: Human PCK Beta II
181 <220> FEATURE:
182 <221> NAME/KEY: mRNA
183 <222> LOCATION: (1)..(300)
185 <400> SEQUENCE: 12
186 uuuuaaacca aaagcuuuuu gggcgaaacg cugaaacuuc gaccgguuuu ucacccgccca 60
187 uccaccaguc cuaacaccuc cgaccaggaa gucaucagga auauugacca aucagaauc 120
188 gaaggauuuc cuuuguuuac ucugaauuuu uaaaaccgca agucaagagc uaguagauuc 180
189 guagaccucc guccuucuuu ucugucauuc aagcucacag cuaucaugag agacaagcga 240
190 gacaccucca acucgacaa aaguucacca ggcagccugu ggaacugacu cccacugaca 300
193 <210> SEQ ID NO: 13
194 <211> LENGTH: 175
195 <212> TYPE: RNA
196 <213> ORGANISM: Human PCK Beta II
198 <220> FEATURE:
199 <221> NAME/KEY: mRNA
200 <222> LOCATION: (1)..(175)
202 <400> SEQUENCE: 13
203 uuuuaaacca aaagcuuuuu gggcgaaacg cugaaacuuc gaccgguuuu ucacccgccca 60

```

RAW SEQUENCE LISTING

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Input Set : A:\Usf12001.app

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204 uccaccaguc cuaacaccuc cgaccaggaa gucaucagga auauugacca aucagaauc 120
205 gaaggauuuc cuuuguuaac ucugaauuuu uaaaaccga agucaagagc uagua      175
208 <210> SEQ ID NO: 14
209 <211> LENGTH: 137
210 <212> TYPE: RNA
211 <213> ORGANISM: Human Beta PCK II
213 <220> FEATURE:
214 <221> NAME/KEY: mRNA
215 <222> LOCATION: (1)..(137)
217 <400> SEQUENCE: 14
218 uuuuaaacca aaagcuuuuu gggcgaaacg cugaaacuuc gaccgguuuu ucacccgcca 60
219 uccaccaguc cuaacaccuc cgaccaggaa gucaucagga auauugacca aucagaauc 120
220 gaaggauuuc cuuuguu                                     137
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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/435,471

DATE: 07/18/2001

TIME: 13:16:23

Input Set : A:\Usf12001.app

Output Set: N:\CRF3\07182001\I435471.raw

L:31 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1

L:48 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2

L:64 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3